

# CDW•G 21st-Century Classroom Assessment Tool

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## Who should use the tool?

The CDW•G 21st-Century Classroom Assessment Tool is intended for high school students, teachers and building and district IT staff members.

## Survey Implementation Instructions

This document contains three separate surveys – one for each respondent group. We suggest tasking either a working group (an IT executive, a faculty member and a student) or a class (as part of a class project working in either statistics or information technology), to conduct the survey and present the findings.

### Planning

- *Step One:* Review surveys to ensure that all questions and answer options are relevant to your school/district's technology program
- *Step Two:* Program individual surveys into an online survey tool such as [www.zoomerang.com](http://www.zoomerang.com), [www.surveymonkey.com](http://www.surveymonkey.com) or [www.questionform.com](http://www.questionform.com)
- *Step Three:* Assemble an e-mail list of students, faculty and IT staff, or identify the normal channels through which your school/district corresponds with these groups via e-mail

### Data Collection

- *Step Four:* Launch the survey and e-mail survey invitations, including the online survey link, to students, faculty and IT staff
- *Step Five:* One week after the initial survey invite, e-mail a reminder to students, faculty and IT staff

### Analysis and Reporting

- *Step Six:* Analyze the results to identify program strengths and weaknesses. Review open-ended responses to help establish future program goals. Develop a summary report including actionable recommendations – issues to address over the next year – and assign responsibility for these action items
- *Step Seven:* Compare your institution's results to the national 21st-Century Classroom Report results available at [www.cdwg.com/21stCenturyClassroom](http://www.cdwg.com/21stCenturyClassroom)
- *Step Eight:* Repeat next year. Perform annual analysis to track trends and ensure technology integration improves year over year

## For additional information

If you have any questions regarding the assessment, please contact:

Ryan Kurtz

(847) 968-0211, [ryankur@cdw.com](mailto:ryankur@cdw.com)

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## Survey Instruments

### Students:

In an ongoing effort to improve our service, support and commitment to your education, we would appreciate your participation in the following survey. This survey is designed to summarize our current technology program and provide information that we can use to shape the future direction of technology in our district.

The survey should take approximately ten minutes to complete and is for high school students only. Individual responses are confidential, and results will only be reported in aggregate. Thank you in advance for your time and honest feedback.

1. What is your class standing?

- a) Freshman
- b) Sophomore
- c) Junior
- d) Senior

2. After high school graduation, are you planning to pursue a degree at any of the following:

- a) Technical school
- b) Community college
- c) Four-year college or university
- d) Undecided
- e) I am not planning to pursue a higher education degree (**SKIP TO QUESTION 6**)

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3. Which of the following technologies do you want to use in your higher education studies (e.g., technical, community, or four-year college or university studies)? Please select all that apply.

- a) Wireless network
- b) Personal mobile computing device (e.g., laptop, netbook, smartphone)
- c) E-reader device (e.g. Kindle, Sony Reader)
- d) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- e) Digital content (online textbooks, downloadable books, or other curricular materials in electronic form)
- f) Interactive white board
- g) Student response systems (a.k.a. "clickers" or learning response systems)
- h) Accessing the school's network from an off-campus location
- i) Podcasts
- j) Recorded class lectures
- k) Distance learning, which delivers education to students who are not physically in the same location as the teacher and/or other students
- l) Campus computer lab
- m) Multimedia content streaming
- n) Other, please specify: \_\_\_\_\_

4. How do you expect to use technology in college? Please select all that apply.

- a) To complete assignments
- b) To communicate with professors
- c) To communicate with classmates
- d) To prepare for the technology expectations in my chosen field

5. When do you expect to use technology in college? Please select one.

- a) During every class
- b) During some classes
- c) Not in class – only outside of class
- d) Not at all

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6. Which of the following technology skills will be very important to your success in college and/or in the workforce? Please select the three skills you believe will be most important.

- a) E-mail composition
- b) Technical writing
- c) Presentation development
- d) Audio, video, and/or multimedia content development
- e) Graphic development
- f) Spreadsheet development
- g) Web site development
- h) Web content management (e.g., HTML documents, images and other forms of media)
- i) Computer programming
- j) Online news and database research
- k) Other, please specify: \_\_\_\_\_

Now think about the technology that you currently use in your high school.

7. Please indicate how strongly you agree or disagree with the following statement: My high school is preparing me to successfully use technology in college and/or when I enter the workforce.

- a) Strongly agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly disagree

8. Please indicate how strongly you agree or disagree with the following statement: My high school understands how I use or want to use technology as a learning tool.

- a) Strongly agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly disagree

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9. Please indicate how strongly you agree or disagree with the following statement: My high school is meeting my technology needs.

- a) Strongly agree
- b) Agree
- c) Neutral
- d) Disagree
- e) Strongly disagree

10. How important is technology to your ability to study or work on class assignments?

- a) Very important
- b) Important
- c) Somewhat important
- d) Not important

11. Where do you use technology to study or work on class assignments? Please select all that apply.

- a) At home
- b) At a friend or family member's home
- c) During class
- d) In study hall
- e) In a campus common area (e.g., cafeteria, hallway, gathering area)
- f) In the school library
- g) In a public library
- h) Other, please specify: \_\_\_\_\_

12. Does your high school offer any of the following to students? Please select each technology or feature that your high school offers.
- a) Wireless Internet access
  - b) One-to-one laptop computing program for all grades and core subject areas (e.g., your school gives every student a laptop)
  - c) One-to-one laptop computing program for some grades and/or classes (e.g., 10th-grade English, 12th-grade trigonometry)
  - d) E-reader device (e.g. Kindle, Sony Reader)
  - e) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
  - f) Interactive white board
  - g) Digital content (online textbooks, downloadable books or other curricular materials in electronic form)
  - h) Student response systems (a.k.a. "clickers" or learning response systems)
  - i) Ability to access the school's network from an off-campus location
  - j) Podcasts
  - k) Recorded class lectures
  - l) Distance learning, which delivers education to students who are not physically in the same location as the teacher and/or other students
  - m) School computer lab
13. Which of these statements apply to your experience with technology at your high school? Please select all that apply.
- a) Students are encouraged to use technology throughout the day
  - b) Students can use their own technology (e.g., laptops, smartphones) during class
  - c) Technology is used in nearly every class
  - d) Teachers regularly use technology to teach
  - e) Teachers regularly assign class work and/or homework that requires the use of technology
  - f) Students have the opportunity to learn new technology applications



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14. How would having a technology-rich classroom/learning environment change the way you learn?  
(Open Ended)

15. To what extent is technology integrated into your classes? Please rate on a scale of one to five, where one is not at all integrated and five is fully integrated.

1                      2                      3                      4                      5

16. What is the biggest challenge to classroom technology at your high school?

- a) My teachers don't know how to use it
- b) My teachers won't use it
- c) My school does not have enough technology to adequately serve students
- d) Our classrooms are not outfitted with technology
- e) Lack of technical support, which means that technology does not always work
- f) Technology isn't useful to my classes
- g) Technology is outdated
- h) Technology is fully integrated into my school – there are no obstacles

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17. Which of the following technologies/Internet tools do you use in conjunction with your education (e.g. to study, while in class, to work on assignments)? Please select all that apply.

- a) Laptop computer
- b) Tablet computer
- c) Netbook computer
- d) Desktop computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Web conferencing
- k) Online text or video chat
- l) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- m) Digital content (online textbooks, downloadable books or other curricular materials in electronic form)
- n) Interactive white boards
- o) Student response systems (a.k.a. "clickers" or learning response systems)
- p) Open source applications (e.g., Google Apps, OpenOffice)
- q) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- r) Blogs
- s) Wikis
- t) Podcasts/vodcasts
- u) Other, please specify: \_\_\_\_\_

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18. Which of the following technologies/Internet tools do you use for personal use (e.g., to connect with friends/family, or for hobbies, extracurricular activities, relaxation)? Please select all that apply.

- a) Laptop computer
- b) Tablet computer
- c) Desktop computer
- d) Netbook computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Online text or video chat
- k) Digital content (online books, downloadable books or other materials in electronic form)
- l) Open source applications (e.g., Google Apps, OpenOffice)
- m) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- n) Blogs
- o) Wikis
- p) Podcasts/vodcasts
- q) Other, please specify: \_\_\_\_\_

19. Please select the one technology tool that you do not currently use or have at your disposal that you most want and believe would be most useful in your education.

- a) Laptop computer
- b) Tablet computer
- c) Desktop computer
- d) Netbook computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Web conferencing
- k) Online text or video chat
- l) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- m) Digital content (online textbooks, downloadable books or other curricular materials in electronic form)
- n) Interactive white boards
- o) Student response systems (a.k.a. "clickers" or learning response systems)
- p) Open source applications (e.g., Google Apps, OpenOffice)
- q) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- r) Blogs
- s) Wikis
- t) Podcasts/vodcasts
- u) Other, please specify: \_\_\_\_\_

20. Social media uses mobile and Web-based communications platforms to enable real-time dialogue and content sharing. Examples of social media tools include the following: Facebook, Twitter, blogs, or wikis. How often do you use social media to study or work on class assignments?

- a) Every day
- b) Several times a week
- c) Several times a month
- d) Rarely
- e) Never

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21. How often do you use technology (e.g., computer, software, Internet, social media) to prepare for your classes (e.g., completing homework, special projects, studying)?
- a) Every day
  - b) Several times a week
  - c) Several times a month
  - d) Rarely
  - e) Never
22. Outside of classes, how do you communicate with your teachers? Please select your top three methods of communication.
- a) In-person
  - b) Phone
  - c) E-mail
  - d) Instant message
  - e) Facebook
  - f) Twitter
  - g) Course management tools (e.g., Blackboard, Jenzabar, Moodle, Web CT)
  - h) I do not communicate with teachers outside of classes
  - i) Other, please specify: \_\_\_\_\_
23. How accessible are your school's computer labs for studying or working on assignments? Please select one.
- a) My school does not provide computer access to students
  - b) Always an open seat
  - c) Usually available; short wait
  - d) Usually a wait
  - e) Very hard to get a seat
  - f) Do not want or do not need to use the computer labs
24. What recommendation would you give to your teachers to better use technology in the classroom? (Open Ended)

**Thank you for sharing your time and opinions.**

## Faculty:

In an ongoing effort to improve our service, support and commitment to education, we would appreciate your participation in the following survey. This survey is designed to summarize our current technology program and provide information we can use to shape the future direction of technology in our school/district.

The survey should take approximately ten minutes to complete and is for high school teachers only. Individual responses are confidential, and results will only be reported in aggregate. Thank you in advance for your time and honest feedback.

1. To what extent is technology integrated into your classes? Please rate on a scale of one to five, where one is not at all integrated and five is fully integrated.

1

2

3

4

5

2. Skills for the 21st-century include creativity and innovation, critical thinking and problem solving, research and information fluency, digital citizenship and communication and collaboration. How are you using technology to help students acquire these skills? Please select all that apply.
  - a) I design my lesson plans so that students use technology during class
  - b) I encourage my students to use technology to complete class assignments
  - c) I incorporate guidance from my department and/or district to provide technology-rich assignments for students
  - d) I regularly discuss these skills with my students and incorporate their feedback into my lessons
  - e) I am not using technology to help students acquire these skills
3. What is your biggest challenge to teaching students 21st-century skills? (Open Ended)

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4. A 21st-century classroom leverages technology to engage and empower teachers and students. Which of the following technologies do you believe are essential to a 21st-century classroom? Please select all that apply.

- a) Internet connection
- b) Wireless Internet access
- c) LCD projector
- d) Interactive whiteboard
- e) Student computing device (laptops, netbooks, smartphones)
- f) Teacher computing device (laptops, netbooks, smartphones)
- g) E-reader device (e.g. Kindle, Sony Reader)
- h) Student response systems (a.k.a., "clickers" or learning response systems)
- i) "Smart" podium/lectern (One-touch control of the teaching environment, including the projection screen, lights, audio volume, DVD/VCR player, PC/laptop connection and microphone system)
- j) Video or voice recording mechanism for lectures
- k) Distance learning capabilities to connect students in multiple locations
- l) Other, please specify: \_\_\_\_\_

5. By your definition, do you hold any of your classes in a 21st-century classroom?

- a) Yes
- b) No
- c) Don't know

6. How important is it that you teach in a 21st-century classroom?

- a) Very important
- b) Important
- c) Somewhat important
- d) Not important

7. Do you feel that you are encouraged to use technology as a teaching tool in your classes?

- a) Yes
- b) No
- c) Don't know

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8. How would having a technology-rich classroom/learning environment change the way you teach?  
(Open Ended)
9. Please indicate how strongly you agree or disagree with the following statement: My administration understands how I use or want to use technology as a learning tool.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree
10. Please indicate how strongly you agree or disagree with the following statement: My school prepares high school students to use technology as a tool in college and/or the workforce.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree
11. Please indicate how strongly you agree or disagree with the following statement: My school is meeting students' technology needs.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree



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12. Outside of class, how do you prefer to communicate with your students? Please select your top three methods of communication.

- a) In-person
- b) Phone
- c) E-mail
- d) Instant message
- e) Facebook
- f) Twitter
- g) Course management tools (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- h) I do not communicate with students outside of classes
- i) Other, please specify: \_\_\_\_\_

13. Does your school or district provide faculty professional development specific to technology and classroom technology integration?

- a) Yes
- b) No (**SKIP TO QUESTION 16**)
- c) Don't know (**SKIP TO QUESTION 16**)

14. Are you satisfied with the technology professional development you receive?

- a) Yes
- b) No
- c) Don't know

15. How could your school or district improve the technology professional development you receive?  
(Open Ended)

16. How often do you integrate technology in your classes?

- a) Every class
- b) Most classes
- c) Several times throughout the semester
- d) I do not use technology in class

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17. How important is technology to your students' ability to study or work on class assignments?
- a) Very important
  - b) Important
  - c) Somewhat important
  - d) Not important
18. Which of the following technologies/Internet tools do you use in conjunction with teaching (e.g. to prepare lectures or assignments, while teaching a class, to work on projects, to work with colleagues and/or students)? Please select all that apply.
- a) Laptop computer
  - b) Tablet computer
  - c) Desktop computer
  - d) Netbook computer
  - e) iPod/MP3 player
  - f) E-reader device (e.g. Kindle, Sony Reader)
  - g) Digital video recorder (e.g., Flip)
  - h) Smartphone (e.g., BlackBerry, Droid)
  - i) Videoconferencing
  - j) Web conferencing
  - k) Online text or video chat
  - l) Digital content (online textbooks, downloadable books or other curricular materials in electronic form)
  - m) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
  - n) Interactive white boards
  - o) Student response systems (a.k.a. "clickers" or interactive response systems)
  - p) Open source applications (e.g., Google Apps, OpenOffice)
  - q) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
  - r) Blogs
  - s) Wikis
  - t) Podcasts/vodcasts
  - u) Other, please specify: \_\_\_\_\_

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19. In your personal life, outside of the classroom teaching experience, what technologies do you regularly use? Please select all that apply.

- a) Laptop computer
- b) Tablet computer
- c) Desktop computer
- d) Netbook computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Digital content (online textbooks, downloadable books or other curricular materials in electronic form)
- k) Online text or video chat
- l) Open source applications (e.g., Google Apps, OpenOffice)
- m) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- n) Blogs
- o) Wikis
- p) Podcasts/vodcasts
- q) Other, please specify: \_\_\_\_\_

20. What is the biggest challenge to classroom technology at your high school?

- a) Teachers don't know how to use it
- b) Teachers won't use it
- c) My school does not have enough technology to adequately serve students
- d) Our classrooms are not outfitted with technology
- e) Lack of technical support, which means that technology does not always work
- f) Technology isn't useful to the courses of study at my school
- g) Technology is outdated
- h) Lack of budget
- i) Technology is fully integrated into the classroom – there are no obstacles

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21. What would you like to be able to do with technology in the classroom that you currently cannot? (Open Ended)
22. How can your school improve your ability to use technology more in your classes? (Open Ended)
23. Some districts are considering digital or online textbooks and content as an alternative to traditional print textbooks. Content is delivered via a laptop, netbook or reader device. What benefits, if any, do you see for your school and students from such a move? Please select all that apply.
- a) Instant access to content
  - b) Equal student access to content
  - c) Better use of existing textbook funds
  - d) Increased student engagement
  - e) Ability to tailor reading assignments and other material to an individual student's needs
  - f) Fewer administrative issues associated with assigning/collecting textbooks
  - g) Easier alignment to state standards
  - h) Do not see any benefits
  - i) Other, please specify: \_\_\_\_\_
24. What challenges do you see for your school and students by moving to digital or online textbooks and content? Please select all that apply.
- a) Availability of or access to digital content
  - b) Availability of or access to a digital content reader or computing device
  - c) Lack of funding
  - d) Existing textbook rules in my state
  - e) Reluctance to move to digital content
  - f) Lack of IT infrastructure to support a move
  - g) Lack of understanding of the benefits of digital content
  - h) There are no challenges to moving to digital content
  - i) Other, please specify: \_\_\_\_\_

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25. How many years have you taught? (Open Ended)

26. What grade level(s) do you teach? Please select all that apply.

- a) Freshmen
- b) Sophomores
- c) Juniors
- d) Seniors

27. What subject(s) do you currently teach? Please select all that apply.

- a) Business
- b) Math
- c) English/Language Arts
- d) Fine and Applied Arts
- e) Foreign Language
- f) Health
- g) History/Social Studies
- h) Science
- i) Vocational & Technical
- j) Other, please specify: \_\_\_\_\_

**Thank you for sharing your time and opinions.**

## IT Department:

In an ongoing effort to improve our service, support and commitment to education, we would appreciate your participation in the following survey. This survey is designed to summarize our current high school technology program and provide information that we can use to shape the future direction of technology in our school/district.

The survey should take approximately ten minutes to complete and is for high school IT department faculty only. Individual responses are confidential, and results will only be reported in aggregate. Thank you in advance for your time and honest feedback.

1. What technologies, software applications and/or classroom styles come to mind when you see the phrase "21st-century classroom?" (Open Ended)
  
2. A 21st-century classroom leverages technology to engage and empower teachers and students. Which of the following technologies do you believe are essential to a 21st-century classroom? Please select all that apply.
  - a) Internet connection
  - b) Wireless Internet access
  - c) LCD projector
  - d) Interactive whiteboard
  - e) Student computing device (laptops, netbooks, smartphones)
  - f) Teacher computing device (laptops, netbooks, smartphones)
  - g) E-reader device (e.g. Kindle, Sony Reader)
  - h) Student response systems (a.k.a., "clickers" or learning response systems)
  - i) "Smart" podium/lectern (One-touch control of the teaching environment, including the projection screen, lights, audio volume, DVD/VCR player, PC/laptop connection and microphone system)
  - j) Video or voice recording mechanism for lectures
  - k) Distance learning capabilities to connect students in multiple locations
  - l) Other, please specify: \_\_\_\_\_

- 
3. Please indicate how strongly you agree or disagree with the following statement: My district understands how high school faculty use or want to use technology as a learning tool.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree
4. Please indicate how strongly you agree or disagree with the following statement: My district understands how high school students use or want to use technology as a learning tool.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree
5. Please indicate how strongly you agree or disagree with the following statement: My district prepares high school students to use technology as a tool in college and/or in the workforce.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree
6. Please indicate how strongly you agree or disagree with the following statement: My district is meeting our high school students' technology needs.
- a) Strongly agree
  - b) Agree
  - c) Neutral
  - d) Disagree
  - e) Strongly disagree

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7. Which of the following does your district offer to high school students? Please select all that apply.
- a) Wireless Internet access
  - b) One-to-one laptop computing program (e.g., your district gives every student a laptop)
  - c) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
  - d) E-reader device (e.g. Kindle, Sony Reader)
  - e) Interactive white board
  - f) Digital content (online textbooks, downloadable books, or other curricular materials in electronic form)
  - g) Student response systems (a.k.a., "clickers" or learning response systems)
  - h) Ability to access the school's network from an off-campus location
  - i) Podcasts/vodcasts
  - j) Recorded class lectures
  - k) Distance learning, which delivers education to students who are not physically in the same location as the teacher and/or other students
  - l) Computer labs



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8. Which of the following technologies does your district support with IT services and/or training?  
Please select all that apply.

- a) Laptop computer
- b) Tablet computer
- c) Desktop computer
- d) Netbook computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Web conferencing
- k) Online text or video chat
- l) Digital content (online textbooks, downloadable books, or other curricular materials in electronic form)
- m) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- n) Interactive white boards
- o) Student response systems (a.k.a., "clickers" or learning response systems)
- p) Open source applications (e.g., Google Apps, OpenOffice)
- q) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- r) Blogs
- s) Wikis
- t) Podcasts/vodcasts
- u) Other, please specify: \_\_\_\_\_

9. Please select the one technology tool that your district does not currently use or have at its disposal that you most want and believe would be most useful for your high school students.

- a) Laptop computer
- b) Tablet computer
- c) Desktop computer
- d) Netbook computer
- e) iPod/MP3 player
- f) E-reader device (e.g. Kindle, Sony Reader)
- g) Digital video recorder (e.g., Flip)
- h) Smartphone (e.g., BlackBerry, Droid)
- i) Videoconferencing
- j) Web conferencing
- k) Online text or video chat
- l) Digital content (online textbooks, downloadable books, or other curricular materials in electronic form)
- m) Course management system (e.g., Blackboard, Jenzabar, Moodle, Web CT)
- n) Interactive white boards
- o) Student response systems (a.k.a., "clickers" or learning response systems)
- p) Open source applications (e.g., Google Apps, OpenOffice)
- q) Social networking sites (e.g., Facebook, Twitter, Google Buzz, LinkedIn, MySpace)
- r) Blogs
- s) Wikis
- t) Podcasts/vodcasts
- u) Other, please specify: \_\_\_\_\_

10. To what extent is technology integrated into your high school classes? Please rate on a scale of one to five, where one is not at all integrated and five is fully integrated.

1                      2                      3                      4                      5

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11. What is the biggest challenge to classroom technology in your district high school(s)?

- a) Teachers don't know how to use it
- b) Teachers won't use it
- c) My school does not have enough technology to adequately serve students
- d) Our classrooms are not outfitted with technology
- e) Lack of technical support, which means that technology does not always work
- f) Technology isn't useful to the courses of study on my campus
- g) Technology is outdated
- h) Lack of budget
- i) Technology is fully integrated into the curriculum – there are no obstacles

12. Some districts are considering digital or online textbooks and content as an alternative to traditional print textbooks. Content is delivered via a laptop, netbook or a reader device. What benefits, if any, do you see for your district and students from such a move? Please select all that apply.

- a) Instant access to content
- b) Equal student access to content
- c) Better use of existing textbook funds
- d) Ability to tailor reading assignments and other material to an individual student's needs
- e) Fewer administrative issues associated with assigning/collecting textbooks
- f) Easier alignment to state standards
- g) Do not see any benefits
- h) Other, please specify: \_\_\_\_\_

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13. What challenges do you see for your district and students by moving to digital or online textbooks and content? Please select all that apply.

- a) Availability of or access to digital content
- b) Availability of or access to a digital content reader or computing device
- c) Lack of funding
- d) Existing textbook rules in my state
- e) Reluctance to move to digital content
- f) Lack of IT infrastructure to support a move
- g) Lack of understanding of the benefits of digital content
- h) There are no challenges to moving to digital content
- i) Other, please specify: \_\_\_\_\_

14. What are the K-12 technology trends that you are watching? (Open Ended)

15. How would you rate the current level of technology in your district?

- a) Cutting edge with new/innovative technology adoption
- b) Current technology with hardware/software that is no more than three years old
- c) Adequate, but could be refreshed
- d) Aging
- e) In the dark ages

**Thank you for sharing your time and opinions.**

